

Title (en)

PROCESSES FOR THE PRODUCTION OF POLYCARBOXYLATE ETHER COPOLYMERS IN THE SOLID STATE, POLYCARBOXYLATE ETHER COPOLYMERS IN THE SOLID STATE PRODUCED THEREBY, AND MINERAL BINDER COMPOSITIONS COMPRISING THE SAME

Title (de)

VERFAHREN ZUR HERSTELLUNG VON POLYCARBOXYLAT-ETHER-COPOLYMEREN IN FESTEM ZUSTAND, SO HERGESTELLTE POLYCARBOXYLAT-ETHER-COPOLYMERE IN FESTEM ZUSTAND UND MINERALISCHE BINDEMittelZUSAMMENSETZUNGEN DAMIT

Title (fr)

PROCÉDÉS DE PRODUCTION DE COPOLYMÈRES D'ÉTHÉR DE POLYCARBOXYLATE À L'ÉTAT SOLIDE, COPOLYMÈRES D'ÉTHÉR DE POLYCARBOXYLATE À L'ÉTAT SOLIDE ET COMPOSITIONS DE LIANT MINÉRAL LES COMPRENANT

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Application

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Abstract (en)

The present invention relates to processes for the production of polycarboxylate ether copolymers in the solid state, polycarboxylate ether copolymers in the solid state produced thereby, and mineral binder compositions comprising the same. Processes of the invention comprise the steps of providing a first type of monomer, treating the first type of monomer with an acid, providing a second type of monomer, copolymerizing the acid-treated first type of monomer and the second type of monomer to obtain a copolymer which is a polycarboxylate ether, and transferring the copolymer thus obtained into the solid state.

IPC 8 full level

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Citation (applicant)

- EP 1437330 A1 20040714 - NIPPON CATALYTIC CHEM IND [JP]
- WO 0047533 A1 20000817 - SKW BAUCHEMIE GMBH [DE], et al
- US 7030178 B2 20060418 - SHIBA DAISUKE [JP], et al
- WO 2006133933 A2 20061221 - DEGUSSA CONSTRUCTION POLYMERS [DE], et al
- WO 2006129883 A1 20061207 - NIPPON CATALYTIC CHEM IND [JP], et al
- EP 2152771 A1 20100217 - NIPPON CATALYTIC CHEM IND [JP]
- EP 2465836 A1 20120620 - NIPPON CATALYTIC CHEM IND [JP]
- EP 1103570 A2 20010530 - NIPPON CATALYTIC CHEM IND [JP]
- WO 0017263 A1 20000330 - SUEDEDEUTSCHE KALKSTICKSTOFF [DE], et al

Citation (search report)

- [XDI] EP 2152771 A1 20100217 - NIPPON CATALYTIC CHEM IND [JP]
- [AD] EP 2465836 A1 20120620 - NIPPON CATALYTIC CHEM IND [JP]
- [A] US 9169174 B2 20151027 - FIRTH BRUCE E [US], et al

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